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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(h))

Attorney Docket No. 06192.0136
First Named Inventor or Application Identifier Woon-Yong
Title Thin Film Transistor Array Substrate For A Liquid Crystal Display
Method For Fabricating The Same
Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ *Fee Transmittal Form (Form PTO-1082)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 66]
(preferred arrangement set forth below)
- Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 USC 113) [Total Sheets 74]
Oath or Declaration [Total Pages 3]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named
in the prior application, see 37 CFR 1.63(d)(2) and
1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy
of the oath or declaration is supplied under Box 4b, is considered
as being part of the disclosure of the accompanying application
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above
copies

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)
(should be specifically itemized)
14. ☐ *Small Entity ☐ Statement filed in
Statement(s) prior application,
Status still proper
and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other:

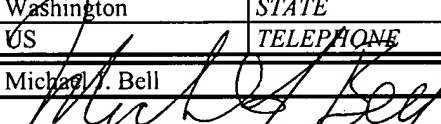
*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF
ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /
Prior Application Information: Examiner: Group/Art Unit:

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label 22930 or ☐ Correspondence address below
(Insert Customer No. or Attach bar code label here)

NAME	MICHAEL J. BELL HOWREY SIMON ARNOLD & WHITE, LLP				
ADDRESS	Box No. 34 1299 Pennsylvania Avenue, N.W.				
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COUNTRY	US	TELEPHONE	202-783-0800	FAX	202-383-7195
Name (Print/Type)	Michael J. Bell			Registration No. (Attorney/Agent)	39,604
Signature				Date	June 2, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

June 2, 2000

Box Patent Application

Assistant Commissioner for Patents
Washington, D.C. 20231

Re: U.S. Non-Provisional Utility Patent Application
Application Serial No.: To Be Assigned; Filed: June 2, 2000
For: **Thin Film Transistor Array Substrate For A Liquid Crystal Display
And A Method For Fabricating The Same**
Inventors: Woon-Yong PARK; Jong-Soo YOON; and Chang-Oh JEONG
Our Ref: 06192.0136

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. Utility Patent Application Transmittal Form;
2. Fee Transmittal Form 1082 (in duplicate);
3. U.S. Utility Patent Application entitled:

**Thin Film Transistor Array Substrate For A Liquid Crystal Display And A
Method For Fabricating The Same**

and naming as inventors:

Woon-Yong PARK; Jong-Soo YOON; and Chang-Oh JEONG

the application comprising:

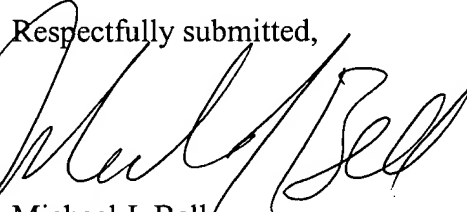
- a. A specification containing:
 - (i) 45 pages of description prior to the claims;
 - (ii) 20 pages of claims (1-62 claims);
 - (iii) a one (1) page abstract;

- b. 74 sheets of drawings: (Figures 1-5, 6A-6C, 7A-7C, 8A-8C, 9A-9B, 10A-10B, 11A-11B, 12, 13A-13B, 14A-14B, 15A-15B, 16A-16B, 17A-17B, 18-29, 30A-30C, 31, 32A-32B, 33A-33B, 34A-34B, 35A-35B, 36A-36B, 37A-37B, 38A-38B, 39-40, 41A-41B, 42A-42B, 43-45, 46A-46B, 47A-47B, 48A-48B, inclusive); and
4. Copy of an executed Combined Declaration and Power of Attorney for Patent Application;
5. Form PTO-1595 Recordation Cover Sheet and a copy of an executed Assignment to Samsung Electronics Co., Ltd., recordation of which is hereby respectfully requested;
6. Our check no. 202257 for \$1,954.00 to cover:
\$1,914.00 filing fee for patent application; and
40.00 assignment recordation fee;
7. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Applicant hereby claims foreign priority benefits under Title 35, U.S.C. § 119 to Korean Application Nos. 1999-20515, 1999-27140, 1999-27548 and 1999-29796 respectively filed on June 3, 1999, July 6, 1999, July 8, 1999 and July 22, 1999.

The U.S. patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number **06192.0136**. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Michael J. Bell
Registration No. 39,604

Enclosures



ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: Woon-Yong PARK; Jong-Soo YOON; and Chang-Oh JEONG

For: Thin Film Transistor Array Substrate For A Liquid Crystal Display And A Method For Fabricating The Same

Enclosed are:

- ☒ 74 sheets of informal drawings. (Figures 1-5, 6A-6C, 7A-7C, 8A-8C, 9A-9B, 10A-10B, 11A-11B, 12, 13A-13B, 14A-14B, 15A-15B, 16A-16B, 17A-17B, 18-29, 30A-30C, 31, 32A-32B, 33A-33B, 34A-34B, 35A-35B, 36A-36B, 37A-37B, 38A-38B, 39-40, 41A-41B, 42A-42B, 43-45, 46A-46B, 47A-47B, 48A-48B, inclusive).
- ☒ A copy of an executed assignment of the invention to Samsung Electronics Co., Ltd.
- ☒ Form PTO-1595.
- ☐ A certified copy of a _____ application.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- ☐ Executed Power of Attorney from Assignee
- ☒ A copy of an executed Declaration for Patent Application.

The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
BASIC FEE				\$ 345.00	OR		\$ 690.00
TOTAL CLAIMS	62	-20 =	x 9 =		OR	42 x 18 =	756.00
INDEP. CLAIMS	9	-3 =	x 39 =		OR	6 x 78 =	468.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+ 130 =		OR	+ 260 =	
			TOTAL		OR	TOTAL	\$1,914.00

*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

☐ Please charge my Deposit Account No. 08-3038 in the amount of \$ _____. A duplicate copy of this sheet is attached.

☒ A check in the amount of \$1,954.00 to cover the filing and recordation fees is enclosed.

☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0136. A duplicate copy of this sheet is attached.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

☐ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0136. A duplicate copy of this sheet is enclosed.

☐ Any patent application processing fees under 37 CFR 1.17.

☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

☐ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date 6/2/00

Michael J. Bell
Michael J. Bell (Reg. No. 39,604)